

MINIMUM UNITS OF SOME EQUIPMENT AND MATERIALS NEEDED
FOR SCREWORM ERADICATION PROGRAM 2-20-58

Weekly Production in Millions

ITEM	4.2		6.3		8.4		10.5		13.8 ^{1/}		52.5	
	Daily	Weekly	Daily	Weekly	Daily	Weekly	Daily	Weekly	Daily	Weekly	Daily	Weekly
Liters pupae for colony (9,000 pupae per liter)	3.0	21	4.5	31.5	6.0	42	7.5	52.5	9.9	69	37.5	262.5
Colony cages 3½ x 6' x 6'	1	7	1	7	1	7	1	7	2	14	6	42
Gallons honey	0.4	2.8	0.6	4.2	0.8	5.6	1.0	7.0	1.3	9.1	5	35
Grams eggs (20,000 per gram)	60	420	90	630	120	840	150	1,050	197	1,380	750	5,250
Larva vats	12	84	18	126	24	168	30	210	33	231	150	1,050
Starting pans	12	24	18	36	24	48	30	60	33	66	150	300
Pounds meat (1.5 lbs. per 1,000 larvae)	900	6,300	1,350	9,450	1,800	12,600	2,250	15,750	2,957	20,700	11,250	78,750
Gallons plasma	0.72	5.0	1.08	7.5	1.44	10.0	1.8	12.5	2.37	16.6	9	62.5
Gallons blood	50	350	75	525	100	700	125	875	164	1,150	625	4,375
Sand Tray-pupation (1 liter larvae each)	68	-	102	-	136	-	170	-	220	-	850	-
Pupa trays (2 liter pupae each)	33	232	50	348	66	464	83	580	105	732	415	2,900

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	Daily	Weekly	Daily	Weekly	Daily	Weekly	Daily	Weekly	Daily	Weekly	Daily	Weekly
Hours irradiation (8 min. per 2 liters)	4.6	32.2	6.6	46.4	8.8	61.8	11.1	77.4	14.0	97.5	-	-
Release cartons												
No. pupae 220	2,600	18,230	3,905	27,345	5,210	36,465	6,510	45,580	8,490	59,450	32,555	227,900
No. pupae 440	1,300	9,115	1,950	13,670	2,605	18,230	3,255	22,790	4,245	29,725	16,275	113,950
Carton trays 220	173	608	260	912	347	1,216	435	1,520	566	3,964	2,175	7,600
(3½ days holding) 440	87	304	130	456	174	608	218	760	283	1,982	1,087	3,800
Tray racks-No. of pupae 220	10	34	15	51	20	68	25	85	32	110	121	423
(3½ days holding) No. of pupae 440	5	17	8	26	10	34	13	43	16	55	61	212
Square miles treated at 100 males per square mile per week ^{2/}	-	17,850	-	26,775	-	35,700	-	44,625	-	58,650	-	-
Planes (6,000 sq. mi. each 2 mi. swaths weekly)	-	3	-	4	-	6	-	8	-	10	-	-

1/ Two cultures per vat during 2nd and 5th day's growth, 60,000 larvae per vat.

2/ Fifteen percent of production not released due to 10% pupa mortality and 5% retained for colony.

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Tray racks-No. of pupae 220 (3½ days holding) No. of pupae 440	10 5	34 17	15 8	51 26	20 10	68 34	25 13	85 43	32 16	110 55	121 61	423 212
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